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Published:

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2004/083206 A1

(54) Title: ANTIBACTERIAL OXALIDINONES

(57) Abstract: Compounds of the formula (I), or a pharmaceutically-acceptable salts, or in-vivo-hydrolysable esters thereof Formula (I): wherein: N-HET is for example triazolyl; Q is for example phenyl or pyridyl, substituted with T; T is for example selected from (Taa1 to Taa12) such as (Taa1) and (Taa5); R^{4h}, R^{5h}, R^{6h} are for example selected from hydrogen, (1-4C)alkyl, (1-4C)alkoxy-carbonyl, (1-4C)alkanoyl and carbamoyl; processes for making them, compositions containing them and their use as antibacterial agents are described.

ADV

29 JUN 2004

PATENT COOPERATION TREATY

PCT

From the INTERNATIONAL SEARCHING AUTHORITY

To: ASTRAZENECA Global Intellectual Property P O Box 272 Mereside, Macclesfield Cheshire SK10 4GR UNITED KINGDOM	CODE ANONYM	DATE JUN 2004	NTD GIPS	NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT AND THE WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION
	DATA ENTERED			(PCT Rule 44.1)
	FINAL CHECK			Date of mailing (day/month/year) 22/06/2004
Applicant's or agent's file reference 100869-1 WO	FOR FURTHER ACTION See paragraphs 1 and 4 below			
International application No. PCT/GB2004/001132	International filing date (day/month/year) 16/03/2004			
Applicant ASTRAZENECA AB				

1. The applicant is hereby notified that the international search report and the written opinion of the International Searching Authority have been established and are transmitted herewith.

Filing of amendments and statement under Article 19:

The applicant is entitled, if he so wishes, to amend the claims of the International Application (see Rule 46):

When? The time limit for filing such amendments is normally 2 months from the date of transmittal of the International Search Report; however, for more details, see the notes on the accompanying sheet.

Where? Directly to the International Bureau of WIPO, 34 chemin des Colombettes
1211 Geneva 20, Switzerland, Fascimile No.: (41-22) 740.14.35

For more detailed instructions, see the notes on the accompanying sheet.

2. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith.

3. With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:

- the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.
 no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

4. Reminders

Shortly after the expiration of **18 months** from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication.

The applicant may submit comments on an informal basis on the written opinion of the International Searching Authority to the International Bureau. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established. These comments would also be made available to the public but not before the expiration of 30 months from the priority date.

Within **19 months** from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until **30 months** from the priority date (in some Offices even later); otherwise, the applicant must, **within 20 months** from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.

In respect of other designated Offices, the time limit of **30 months** (or later) will apply even if no demand is filed within 19 months.

See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the *PCT Applicant's Guide*, Volume II, National Chapters and the WIPO Internet site.

Name and mailing address of the International Searching Authority  European Patent Office, P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Margarita Tzelepi
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INTERNATIONAL SEARCH REPORT

International Application No
PCT/GB2004/001132

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C07D413/14 C07F9/6558 A61K31/422 A61K31/675 A61P31/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C07D C07F A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, BEILSTEIN Data, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01/81350 A (ASTRAZENECA AB ET AL) 1 November 2001 (2001-11-01) the whole document, particularly page 8, lines 24-27, and page 27, lines 15-20 -----	1-6,8-12
Y	LEE S C ET AL: "Carbon-carbon linked (pyrazolylphenyl)oxazolidinones with antibacterial activity against multiple drug resistant gram-positive and fastidious gram-negative bacteria" BIOORGANIC AND MEDICINAL CHEMISTRY, vol. 9, no. 12, December 2001 (2001-12), pages 3243-3253, XP002283682 the whole document ----- -/-	1-6,8-12

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

9 June 2004

Date of mailing of the international search report

08.07.2004

Name and mailing address of the ISA

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Authorized officer

Allard, M

INTERNATIONAL SEARCH REPORT

International Application No PCT/GB2004/001132

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	PHILIPPI O A ET AL: "Synthesis and antibacterial activity of 5-substituted oxazolidinones" BIOORGANIC AND MEDICINAL CHEMISTRY, vol. 11, no. 1, 2 January 2003 (2003-01-02), pages 35-41, XP002283683 the whole document -----	1-6,8-12
P,X	WO 03/035648 A (ASTRAZENECA AB ET AL) 1 May 2003 (2003-05-01) the whole document -----	1-6,8-12
P,X	WO 03/072575 A (ASTRAZENECA AB ET AL) 4 September 2003 (2003-09-04) the whole document -----	1-6,8-12

INTERNATIONAL SEARCH REPORT

International application No.
PCT/GB2004/001132

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Although claim 8 is directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
- No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB2004/001132

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 0181350	A	01-11-2001		AT 268778 T AU 4863601 A BR 0110240 A CA 2405349 A1 CN 1437603 T CZ 20023527 A3 EE 200200598 A EP 1286998 A1 WO 0181350 A1 HU 0300416 A2 JP 2003531211 T NO 20025091 A US 2003216373 A1		15-06-2004 07-11-2001 07-01-2003 01-11-2001 20-08-2003 15-01-2003 15-04-2004 05-03-2003 01-11-2001 28-06-2003 21-10-2003 09-12-2002 20-11-2003
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WO 03072575	A	04-09-2003		WO 03072575 A1		04-09-2003